

ORIGINAL

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

FIELD NOTES  
OF THE  
DEPENDENT RESURVEY OF A PORTION  
OF THE SUBDIVISIONAL LINES  
— AND THE SUBDIVISION  
OF SECTION 28

**TOWNSHIP 29 NORTH, RANGE 9 EAST,**  
OF THE GILA AND SALT RIVER MERIDIAN,  
IN THE STATE OF ARIZONA.

**EXECUTED BY**

**W. William Foster, Cadastral Surveyor**

Under Special Instructions dated August 4, 2004, approved August 4, 2004, which provided for the surveys included under Group No. 942, and assignment instructions dated August 4, 2004.

**Survey commenced August 16, 2004**

**Survey completed August 18, 2004**

**INDEX DIAGRAM**

TOWNSHIP 29 NORTH                      RANGE 9 EAST  
 GILA AND SALT RIVER MERIDIAN, ARIZONA

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29 5	6 28	27	26	25
31	32	4 33	34	35	36

Subdivision of Section 28 ..... Pages 7-8.

**T. 29 N., R. 9 E., Gila and Salt River Meridian, Arizona**

CHAINS

The following field notes describe the dependent resurvey of a portion of the subdivisional lines and the subdivision of section 28, Township 29 North, Range 9 East, Gila and Salt River Meridian, Arizona.

The history of surveys pertaining to this survey is as follows:

Theodore O. Johnston and Philip L. Inch surveyed the Seventh Standard Parallel North ( south boundary ) to the Little Colorado River in 1905. Philip Contzen surveyed the Second Guide Meridian East ( west boundary ) through the township in 1905. Theodore O. Johnson and Philip L. Inch retraced and resurveyed a portion of the Second Guide Meridian East ( west boundary ) through the township, and surveyed the subdivisional lines south of the Little Colorado River and the meanders of the left bank of the Little Colorado River in 1916.

The survey was executed in accordance with the specifications as set forth in the Manual of Instructions for the Survey of the Public Lands of the United States, 1973, and the Special Instructions dated August 4, 2004, for Group No. 942, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic global positioning system observations using Topcon Hyper Plus receivers.

Preliminary to the resurvey, the lines of the prior surveys were retraced and search was made for all corners and other calls of record. Identified corners were remonumented in their original positions. Lost corners were reestablished and remonumented at proportionate positions based on the official record. The retracement data were thoroughly verified and only the true line field notes are given herein.

As part of the survey request, stainless steel posts, with Navajo Nation logo brass caps replaced the 1916 monumentation where indicated.

Geodetic control was derived from second order Arizona Department of Transportation triangulation station TAPPAN 1977, as published by the National Geodetic Survey, NAD 83 (1992). The geographic position of the 1/4 section corner of sections 28 and 33, is as follows:

Latitude: 35° 51' 31.80" N.                      Longitude: 111° 26' 06.68" W.

The mean magnetic declination is 12° E.

---

**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 29 N., R. 9 E., Gila and Salt River Meridian, Arizona**

CHAINS

Restoring the survey executed by  
Theodore O. Johnston and Philip L. Inch, in 1916

Beginning at the 1/4 sec. cor. of secs. 28 and 33, determined S.  
from the 1916 mound of stone, 3 ft. base, 2 1/2 ft. high.

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam.,  
12 ins. in the ground, to bedrock, in a supporting mound of  
stone, 4 ft. base, to top, with brass cap mkd.

T 29 N R 9 E  
S 28  
1/4 ———  
S 33

2004

Deposit a magnet in a white plastic case at the base of the  
stainless steel post.

Set a steel fence post alongside the stainless steel post.

From this cor. point, Arizona Department of Transportation  
triangulation station "TAPPAN 1977" bears S. 33°08' E.,  
51.69 chs. dist. (Forward bearing), an aluminum disc, 3 1/2 ins.  
diam., seated in a concrete monument, 10 ins. diam., firmly set,  
flush with ground, with top mkd. TAPPAN 1977.

S. 89°57' W., bet. secs. 28 and 33.

Over broken ground, through scattered bunch grass.

39.96

The cor. of secs. 28, 29, 32 and 33, monumented with an iron  
post, 2 ins. diam., firmly set, projecting 10 ins. above the  
ground, with brass cap mkd. T29NR9E S29 S28 S32 S33 1916. The  
accessory mound of stone has been obliterated.

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam.,  
25 ins. in the ground, with brass cap mkd.

**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 29 N., R. 9 E., Gila and Salt River Meridian, Arizona**

CHAINS	<div data-bbox="812 310 1029 413" data-label="Text"> <p align="center">T 29 N R 9 E S 29   S 28 S 32   S 33</p> </div> <div data-bbox="883 443 958 470" data-label="Text"> <p align="center">2004</p> </div> <div data-bbox="406 497 1455 596" data-label="Text"> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post and bury the iron pipe alongside the stainless steel post.</p> </div> <div data-bbox="406 619 1336 655" data-label="Text"> <p>Set a steel fence post alongside the stainless steel post.</p> </div> <div data-bbox="406 678 1271 714" data-label="Text"> <p>Cor. is located 8 lks. S. of power pole #384019 (APS).</p> <hr/> </div> <div data-bbox="402 802 948 835" data-label="Text"> <p>N. 0°15' E., bet. secs. 28 and 29.</p> </div> <div data-bbox="402 858 1174 896" data-label="Text"> <p>Over level land, through scattered bunch grass.</p> </div> <div data-bbox="258 928 347 957" data-label="Text"> <p>40.07</p> </div> <div data-bbox="402 915 1456 1050" data-label="Text"> <p>The 1/4 sec. cor. of secs. 28 and 29, monumented with an iron post, 1 in. diam., firmly set, projecting 16 ins. above a scattered mound of stone, 3 ft. base. Brass cap is badly scarred and is impossible to read.</p> </div> <div data-bbox="402 1073 716 1104" data-label="Text"> <p>At the corner point</p> </div> <div data-bbox="402 1127 1451 1226" data-label="Text"> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, in a supporting mound of stone, 3 ft. base, to top, with brass cap mkd.</p> </div> <div data-bbox="813 1251 1034 1344" data-label="Text"> <p align="center">T 29 N R 9 E 1/4 S 29   S 28</p> </div> <div data-bbox="886 1371 963 1400" data-label="Text"> <p align="center">2004</p> </div> <div data-bbox="402 1425 1456 1526" data-label="Text"> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post and bury old iron pipe along side stainless steel post.</p> </div> <div data-bbox="402 1547 1339 1587" data-label="Text"> <p>Set a steel fence post alongside the stainless steel post.</p> </div> <div data-bbox="402 1610 1307 1646" data-label="Text"> <p>Cor. is located 7 lks. N. of fence cor., bears E. and S.</p> <hr/> </div> <div data-bbox="402 1730 1034 1768" data-label="Text"> <p>N. 0°04' W., beginning new measurement.</p> </div>
--------	---

**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 29 N., R. 9 E., Gila and Salt River Meridian, Arizona**

CHAINS

39.96

The cor. of secs. 20, 21 28 and 29, monumented with an iron post, 2 ins. diam., firmly set, projecting 6 ins. above the ground, in a collar of stone, 3 ft. base, with brass cap mkd. T29NR9E S20 S21 S29 S28 1916 with a scattered mound of stone N. of cor.

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.

T 29 N R 9 E	
S 20	S 21
S 29	S 28

2004

Deposit a magnet in a white plastic case at the base of the stainless steel post and bury the iron post alongside the stainless steel post.

Set a steel fence post alongside the stainless steel post.

From the 1/4 sec. cor. of secs. 21 and 28, monumented with an iron post, 1 in. diam., firmly set, flush with the ground, with brass cap mkd. 1/4 S21 S28 1916, with a scattered mound of stone, 3 ft. base, N. of cor.

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., flush with the ground, with brass cap mkd.

T 29 N R 9 E	
S 21	
1/4	—
S 28	

2004

Deposit a magnet in a white plastic case at the base of the stainless steel post and bury the iron pipe alongside the stainless steel post.

Rebuild the accessory mound of stone, 3 ft. base, 2 ft. high, N. of the cor.

Set a steel fence post alongside the stainless steel post.

N. 89° 55' W., bet. secs. 21 and 28.

**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 29 N., R. 9 E., Gila and Salt River Meridian, Arizona**

CHAINS	<p>Over level land, through scattered bunch grass.</p>
2.75	W. edge of south easterly drainage.
16.45	N. edge of scattered burial ground, bears S., 2.50 chs. dist.
39.83	The cor. of secs. 20, 21, 28 and 29.
<hr/> <p><b>Subdivision of Section 28, T. 29 N., R. 9 E., Gila and Salt River Meridian, Arizona</b></p> <hr/>	
	<p>From the 1/4 sec. cor. of secs. 28 and 33.</p> <p>North, on the N. and S. center line of sec. 28.</p> <p>Over rolling to broken land, through scattered bunch grass.</p>
40.05	<p>Point for the center 1/4 sec. cor. of sec. 28, at intersection with the E. and W. center line of sec. 28.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in the ground, in a collar of stone, with brass cap mkd.</p> <p align="center">T 29 N R 9 E C 1/4 S 28</p> <p align="center">2004</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <p>Set a steel fence post alongside stainless steel post.</p>
79.94	The 1/4 sec. cor. of secs. 21 and 28.
	<hr/> <p>From the 1/4 sec. cor. of secs. 27 and 28, monumented with an iron post, 1 in. diam., projecting 17 ins. above the ground, in a scattered mound of stone, with brass cap mkd. 1/4 S28 S27 1916.</p> <p>Add the marks T29NR9E and 2004 to the brass cap.</p> <p>Rebuild the mound of stone, 4 ft. base to the top.</p> <p>S. 89°59' W., on the E. and W. center line of sec. 28.</p> <p>Over rolling to broken land, through scattered bunch grass.</p>
39.96	The center 1/4 sec. cor. of sec. 28.

**Subdivision of Section 28,  
T. 29 N., R. 9 E., Gila and Salt River Meridian, Arizona**

<p>CHAINS</p> <p>79.75</p>	<hr/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <hr/> <p>The land in section 28 is rolling to broken. The vegetation is primarily bunch grass with some scattered cacti. There is some limited sheep grazing.</p> <p>Access is by way of State highway 89 and State highway 64. There are various trail roads through the section. Tappan Spring Wash drains southerly in the W. 1/2 of the section.</p> <p>The mean magnetic declination of 12° E. was derived from the United States Geological Survey computer program GEOMAG, utilizing the current International Geomagnetic Reference Field (IRGF) for the dates of survey.</p> <hr/>
----------------------------	--



CERTIFICATE OF SURVEY

I, W. William Foster, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 4th day of August, 2004, I have dependently resurveyed a portion of the subdivisional lines and the subdivision of section 28, T. 29 N., R. 9 E., of the Gila and Salt River Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by me and under my direction. Said survey has been made in strict conformity with said special instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

7/28/05  
(Date)

W. William Foster  
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion of the subdivisional lines and the subdivision of section 28, T. 29 N., R. 9 E., Gila and Salt River Meridian, in the State of Arizona, executed by W. William Foster, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

8/08/05  
(Date)

Stephen K. Hansen  
Acting(Chief Cadastral Surveyor of Arizona)

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY That the foregoing transcript of the field notes of the above described surveys in T. 29 N., R. 9 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~(Date)~~

~~Acting(Chief Cadastral Surveyor of Arizona)~~